

CURRENT INDUSTRIAL REPORTS SERIES

2005

MA334D — DEFENSE, NAVIGATIONAL, AND AEROSPACE ELECTRONICS

The 2005 new MA334D, Current Industrial Report (CIR) survey includes related product classes previously published in the discontinued MA334B, "Selected Instruments and Related Products," and one product class from the MA334P, "Communication Equipment, Including Telephone, Telegraph, and Other Electronic Systems and Equipment" surveys. Some product codes were added or deleted in order for the survey to be more reflective of the industry. You received this questionnaire because our records indicate that your establishment manufactures one or more of the products collected by this survey. The "Concordance Table" located in section (5) of this manual, contains the new 2005 product list linked to the old 2004 product list. Please take the time to familiarize yourself with the new product lines created that correspond to those you reported in the past.

The CIR program is one of our most popular programs with the business community. The key to its popularity is accurate reporting by survey respondents like you. We are making changes to this survey to increase the usefulness and the return on your investment of time and effort. We look forward to working with you in the future to continue the success of this program.

DEFINITIONS AND SPECIAL INSTRUCTIONS

1. Scope of survey

This survey covers manufacturers of defense, navigational, and aerospace electronics and related products.

2. Figures to be reported

Companies with more than one establishment manufacturing the products covered by this survey are requested to complete a separate report form for each location. If you have not received a separate form for each of your establishments, please call the contact shown on the report form or write to the U.S. Census Bureau for additional forms.

a. Value of shipments

The figures on value of shipments should include the physical shipments of all products sold, transferred to other establishments within your company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges and returns. Shipments to your own branches should be assigned the same value as comparable sales to unaffiliated customers, i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture should not be included in shipments.

Value of shipments should be reported in thousands of dollars.

Include:

- (1) All shipments, whether for domestic use or for export.
- (2) Shipments on consignments as well as for sale.

- (3) Interplant transfers in which products are shipped from one plant of your company to another plant or sales branch.

- (4) Private brand units as well as your own company brand units.

Exclude:

- (1) Products manufactured for you by others
- (2) Products bought and resold without further manufacture by your company
- (3) Imports which are reshipped without further domestic manufacture

b. Research and development

Dollar shipments should reflect income from development, design, and engineering services performed by the reporting plant in connection with the manufacture of the products shipped, whether included in a single production contract, or contracted for separately, but intended as preparation for the manufacture of the specific products.

c. Columnar structure of report

When entering your figures on the report form, please be sure to report the information in the correct column as follows:

Column 1 — Value (report shipments in thousands of dollars. Example: \$1,000,000, report as \$1,000)

3. Definitions

The product detail for this survey, as shown in the Reference List, is defined according to standard nomenclature for this survey.

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DEFINITIONS AND SPECIAL INSTRUCTIONS — Continued

4. Comparability

If you also report in the Annual Survey of Manufactures (Form MA-10000), the sum of values for item codes shown in column (a) should correspond to the dollar values reported under product class code indicated in column (b) below:

Current Industrial Reports (Form MA334D) Item codes (a)	Annual Survey of Manufactures Product class codes (b)
4106 through 4162	3345111
4202 through 4390	3345113
6101 through 6119	3345192
7177	3333197
8379 through 8398	3333141

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5. Concordance of Product Codes and Item Codes: 2005 to 2004

2005 Product Code	2005 Item Code	2005 Survey Name	2004 Survey Name	2004 Product Code	2004 Item Code
3345111106	4106	MA334D	MA334B	3345111101	4420
3345111106	4106	MA334D	MA334B	3345111103	4430
3345111106	4106	MA334D	MA334B	3345111105	4435
3345111111	4114	MA334D	MA334B	3345111107	4440
3345111111	4114	MA334D	MA334B	3345111110	4446
3345111111	4114	MA334D	MA334B	3345111113	4460
3345111115	4122	MA334D	MA334B	3345111115	4465
3345111226	4130	MA334D	MA334B	3345111217	4470
3345111226	4130	MA334D	MA334B	3345111219	4475
3345111226	4130	MA334D	MA334B	3345111221	4480
3345111226	4130	MA334D	MA334B	3345111223	4485
3345111226	4130	MA334D	MA334B	3345111225	4490
3345111232	4138	MA334D	MA334B	3345111227	4494
3345111232	4138	MA334D	MA334B	3345111229	4496
3345111232	4138	MA334D	MA334B	3345111231	4498
3345111233	4146	MA334D	MA334B	3345111233	4516
3345111335	4154	MA334D	MA334B	3345111335	4517
3345111437	4162	MA334D	MA334B	3345111437	4518
3345111	4199	MA334D	MA334B	3345111	4519
3345113101	4202	MA334D	MA334B	3345113101	4202
3345113103	4204	MA334D	MA334B	3345113103	4204
3345113207	4210	MA334D	MA334B	3345113207	4210
3345113212	4217	MA334D	MA334B	3345113209	4214
3345113212	4217	MA334D	MA334B	3345113211	4218
3345113318	4231	MA334D	MA334B	3345113313	4222
3345113318	4231	MA334D	MA334B	3345113315	4226
3345113318	4231	MA334D	MA334B	3345113317	4230
3345113325	4237	MA334D	MA334B	3345113319	4234
3345113325	4237	MA334D	MA334B	3345113321	4238
3345113426	4251	MA334D	MA334B	3345113425	4246
3345113426	4251	MA334D	MA334B	3345113427	4248
3345113426	4251	MA334D	MA334B	3345113429	4250
3345113428	4257	MA334D	MA334B	3345113323	4242
3345113428	4257	MA334D	MA334B	3345113431	4254
3345113433	4258	MA334D	MA334B	3345113433	4258
3345113436	4267	MA334D	MA334B	3345113434	4259
3345113436	4267	MA334D	MA334B	3345113435	4260
3345113437	4272	MA334D	MA334B	3345113437	4272
3345113441	4278	MA334D	MA334B	3345113441	4278
3345113443	4282	MA334D	MA334B	3345113443	4282
3345113545	4312	MA334D	MA334B	3345113545	4312
3345113547	4322	MA334D	MA334B	3345113547	4322
3345113549	4332	MA334D	MA334B	3345113549	4332

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5. Concordance of Product Codes and Item Codes: 2005 to 2004—Continued

2005 Product Code	2005 Item Code	2005 Survey Name	2004 Survey Name	2004 Product Code	2004 Item Code
3345113651	4342	MA334D	MA334B	3345113651	4342
3345113653	4344	MA334D	MA334B	3345113653	4344
3345113661	4362	MA334D	MA334B	3345113661	4362
3345113663	4364	MA334D	MA334B	3345113663	4364
3345113667	4368	MA334D	MA334B	3345113655	4346
3345113667	4368	MA334D	MA334B	3345113657	4348
3345113667	4368	MA334D	MA334B	3345113659	4360
3345113667	4368	MA334D	MA334B	3345113665	4366
3345113667	4368	MA334D	MA334B	3345113667	4368
3345113669	4372	MA334D	MA334B	3345113669	4372
3345113673	4382	MA334D	MA334B	3345113673	4382
3345113681	4390	MA334D	MA334B	3345113105	4206
3345113681	4390	MA334D	MA334B	3345113681	4390
3345113	4399	MA334D	MA334B	3345113	4399
3345192101	6101	MA334D	MA334B	3345192101	6101
3345192104	6104	MA334D	MA334B	3345192103	6103
3345192104	6104	MA334D	MA334B	3345192105	6105
3345192114	6117	MA334D	MA334B	3345192107	6107
3345192114	6117	MA334D	MA334B	3345192111	6113
3345192114	6117	MA334D	MA334B	3345192113	6115
3345192115	6119	MA334D	MA334B	3345192115	6119
3345192	6129	MA334D	MA334B	3345192	6129
3333197	7177	MA334D	MA334P	3333197101	4416
3333197	7177	MA334D	MA334P	3333197104	4418
3333141101	8379	MA334D	MA334B	3333141101	8379
3333141103	8389	MA334D	MA334B	3333141103	8389
3333141104	8390	MA334D	MA334B	3333141104	8390
3333141106	8395	MA334D	MA334B	3333141106	8395
3333141109	8398	MA334D	MA334B	3333141105	8397
3333141	8399	MA334D	MA334B	3333141	8399
9999998900	9945	MA334D	MA334B	9999998900	9945
9997372000	9960	MA334D	MA334B	9997372000	9960
9999737230	9965	MA334D	MA334B	9999737230	9965
9999998041	9970	MA334D	MA334B	9999998049	9970

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REFERENCE LIST

FORM MA334D		DEFENSE, NAVIGATIONAL, AND AEROSPACE ELECTRONICS
Product code	Item code	Item description
		AERONAUTICAL, NAUTICAL, AND NAVIGATIONAL INSTRUMENTS, EXCEPT AIRCRAFT ENGINE INSTRUMENTS
*3345111106	4106	Compasses, altimeters, and airspeed indicators
*3345111111	4114	Acceleration indicators, rate-of-climb and angle-of-attack indicators, and artificial horizon flight instruments
3345111115	4122	Other aerospace navigational instruments
*3345111226	4130	Gyroscopes sold separately
*3345111232	4138	Airframe equipment instruments
3345111233	4146	Other aerospace flight instruments
3345111335	4154	Nautical instruments
3345111437	4162	Parts and components
3345111	4199	Total aeronautical, nautical, and navigational instruments, except aircraft engine instruments (<i>sum of item codes 4106—4162</i>)
		SEARCH AND DETECTION, NAVIGATION AND GUIDANCE SYSTEMS AND EQUIPMENT
3345113101	4202	Light reconnaissance and surveillance electronic systems and equipment
3345113103	4204	IFF equipment
3345113207	4210	Search, detection, and acquisition radar systems and equipment: airborne and missile/space
*3345113212	4217	Other search, detection, and acquisition radar systems and equipment
*3345113318	4231	Tracking radar systems and equipment (fire control, bombing, bombing navigational radar aircraft and missile tracking radar, etc.)
*3345113325	4237	Instrumentation radar systems and equipment (altimeters, highway speed control radar, missile and space satellite tracing range radar, GCA and other precision approach radar, etc.)
*3345113426	4251	Sonar search, detection, tracing, and communications systems and equipment, guidance, including ASM (sonar telephone, communication equipment, depth finding, fire, control, fusing, hydrophones, mapping, sonabuys, navigation, sonar fish finders, sonar range instrumentation, etc.)
*3345113428	4257	Electronic checkout and monitoring equipment for radar, sonar search, detection, and communication systems and equipment
3345113433	4258	Specialized command and control equipment
*3345113436	4267	Other search, detection, identification, and tracking systems and equipment
3345113437	4272	Countermeasures equipment: jamming, communications and radar
3345113441	4278	Other countermeasures equipment
3345113443	4282	Specialized electronic and communications intelligence equipment
3345113545	4312	Missile borne and space vehicle guidance systems
3345113547	4322	Nonmissile and space vehicle guidance systems

* New or revised for 2005

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REFERENCE LIST — Continued

FORM MA334D		
Product code	Item code	Item description
		SEARCH AND DETECTION, NAVIGATION AND GUIDANCE SYSTEMS AND EQUIPMENT—Continued
3345113549	4332	Electronic checkout, launching, and other missile and space support systems
3345113651	4342	Airborne navigational systems: radio navigation receivers and displays
3345113653	4344	Airborne navigational systems: airborne integrated data systems/flight recorders
3345113661	4362	Airborne navigational systems: inertial navigation systems
3345113663	4364	Airborne navigational systems: proximity warning/collision avoidance equipment
3345113667	4368	Other airborne navigational systems
3345113669	4372	Surface (ship and ground) navigational systems
3345113673	4382	Electronic checkout, monitoring, evaluation, and other electronic support equipment for navigational systems and equipment
3345113681	4390	All other search and detection navigation and guidance systems and equipment not specified
3345113	4399	Total search and detection, navigation and guidance systems and equipment (<i>sum of item codes 4202—4390</i>)
		AIRCRAFT ENGINE INSTRUMENTS, EXCEPT FLIGHT
3345192101	6101	Temperature sensors, transmitters, and displays
*3345192104	6104	Pressure ratio and vacuum sensors, transmitters, controls, and displays
*3345192114	6117	All other aircraft engine instruments
3345192115	6119	Parts and components
3345192	6129	Total aircraft engine instruments (<i>sum of item codes 6101—6119</i>)
		ELECTRONIC TRAINERS AND SIMULATORS
3333197	7177	Electronic trainers and simulators, teaching machines, and teaching aids, including kits
		SIGHTING, TRACKING, AND FIRE CONTROL EQUIPMENT, OPTICAL TYPE
3333141101	8379	Made from lenses, prism, etc., produced in this plant
3333141103	8389	Made from purchased lenses, prisms, etc.
3333141104	8390	Sighting and tracking laser systems
3333141106	8395	Night visions goggles and equipment
*3333141109	8398	Parts and accessories
3333141	8399	Total sighting, tracking, and fire control equipment (<i>sum of item codes 8379—8398</i>)
		SELECTED NONMANUFACTURING REVENUES
9999998900	9945	Resales—Sales of products bought and sold without further manufacture, processing, or assembly
9997372000	9960	Software services
9997377230	9965	Systems integration revenues, including configuration, installation and site preparation, and custom programming
9999998041	9970	Research and development, testing and evaluation of systems and components

3/16/06 * New or revised for 2005